

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Method for providing a communication device ~~(9)~~ with radio software from a software download server ~~(1)~~ via a wireless network ~~(19)~~ including a number of access networks ~~(5, 7)~~, said communication device ~~(9)~~ being arranged to operate in said wireless network ~~(19)~~ and comprising a transceiver ~~(11)~~ for receiving said radio software and storing means ~~(13)~~ comprising at least two radio access technologies ~~(15, 17)~~ for communication with corresponding access networks ~~(5, 7)~~ of said wireless network ~~(19)~~, comprising the steps of:

initiating ~~(21, 31)~~ a download of radio software of a first radio access technology ~~(15, 17)~~ of said communication device ~~(9)~~;

selecting ~~(22, 24, 32, 34, 35)~~ a radio access technology ~~(15, 17)~~ of said communication device ~~(9)~~ for downloading said software;

downloading ~~(23, 26, 33, 36, 37)~~ said radio software via the available radio access technology ~~(15, 17)~~, wherein the radio software designed for the first radio access technology ~~(15, 17)~~ is stored in a memory space of said storing means ~~(13)~~.

2. (Currently Amended) Method according to claim 1, wherein the step of selecting comprising the step of

selecting ~~(22; 32)~~ a second radio access technology ~~(15, 17)~~ for downloading of said radio software that not is subject of receiving the software.

3. (Currently Amended) Method according to claim 2, wherein the step of selecting a radio access technology ~~(15, 17)~~ comprising the step of
if said second radio access technology ~~(15, 17)~~ is not available for downloading, selecting ~~(24; 34)~~ said first radio access technology ~~(15, 17)~~ for said downloading.
4. (Currently Amended) Method according to claim 3, wherein said storing means ~~(13)~~ comprises a memory space for temporary storage, wherein the step of selecting comprising the step of
if said first radio access technology ~~(15, 17)~~ is in use, downloading ~~(37)~~ via said first radio access technology ~~(15, 17)~~ if said memory space ~~(13)~~ for temporary storage is available for receiving said radio software.
5. (Currently Amended) Method according to ~~any one of claims~~ claim 1-3, wherein the radio software designed for the first radio access technology ~~(15, 17)~~ is stored in a memory space ~~(13)~~ allocated for said first radio access technology ~~(15, 17)~~.
6. (Currently Amended) Method according to ~~any one of the preceding claims~~ claim 1, further comprising the step of, at completion of the downloading of the radio

software of the first radio access technology ~~(15, 17)~~, verifying ~~(40)~~ that the downloaded software is operational.

7. (Currently Amended) Method according to claim 6, wherein the step of verifying comprises the step of

performing ~~(41)~~ a local test procedure in said communication device ~~(9)~~.

8. (Currently Amended) Method according to claim 7, wherein the step of performing a test procedure comprises the steps of

performing a cyclic redundancy check of the downloaded software;

performing a built-in self-test of the software configured hardware

logic of the communication device ~~(9)~~; and

performing a loop-test of the downloaded software.

9. (Currently Amended) Method according to claim 6, ~~7 or 8~~, wherein the step of verifying comprises the step of

if said local test procedure was successful, performing ~~(43, 44, 46, 50, 51, 53)~~ a confirming procedure.

10. (Currently Amended) Method according to claim 9, wherein the step of verifying comprises the step of

if said local test procedure not was successful, performing ~~(42)~~ an error handling procedure.

11. (Currently Amended) Method according to claim 9, wherein the step of

performing a confirming procedure comprises the steps of:

sending (43) a test message via said first radio technology to said server (1);

if a confirmation message has been received via said first radio

technology within a predetermined period of time, determining (44) that the

downloading of software was successful; and

if a confirmation message not has been received via said first radio

technology within a predetermined period of time, performing (45) an error

handling procedure.

Claim 12 (Cancelled)

13. (Currently Amended) Method according to ~~any one of the preceding claims~~ claim

1, wherein the step of initiating a download of radio software comprises the steps of:

polling (62) said communication device (9) about the current version of

software of a radio access technology (15, 17) of said communication device (9);

checking (67) whether said version of software is up to date with the current

version of corresponding software available on said server (1); and

if said version of software is not up to date, starting (68) a download procedure

according to any one of preceding claims.

14. (Currently Amended) Method according to ~~any one of preceding claims~~claim 1-13, wherein said communication device ~~(9)~~ comprises initiating means ~~(16)~~ for initiating a download of radio software of a radio access technology ~~(15, 17)~~, and wherein the step of initiating a download of radio software comprises the steps of:

 sending ~~(81)~~ an indication message comprising information regarding the current version of software of a radio access technology ~~(15, 17)~~ of said communication device ~~(9)~~ from said communication device ~~(9)~~ to said server ~~(1)~~ via said wireless network ~~(19)~~;

 checking ~~(85)~~ whether said version of software is up to date with the current version of corresponding software available on said server ~~(1)~~; and

 if said current version of software is not up to date, starting ~~(86)~~ a download procedure according to ~~any one of preceding claims~~claim 1-12.

15. (Currently Amended) Method according to ~~any one of preceding claims~~claim 1-12, wherein the step of initiating a download of radio software comprises the steps of:

 at connection of said communication device ~~(9)~~ to an access network, sending ~~(92)~~ an inquiry message from said access network to said server ~~(1)~~ via said network in order to check whether a new version of the software of the radio access technology ~~(15, 17)~~ of said communication device ~~(9)~~ corresponding to said access network is available;

 checking ~~(96)~~ whether said version of software is up to date with the current version of corresponding software available on said server ~~(1)~~; and

if said current version of software is not up to date, starting ~~(97)~~ a download procedure according to ~~any one of preceding claims~~ claim 1-12.

16. (Currently Amended) A communication device arranged to operate in a wireless network ~~(19)~~ including a number of access networks ~~(5, 7)~~, comprising a transceiver ~~(11)~~ for receiving radio software from a software download server ~~(1)~~ via said wireless network ~~(19)~~; storing means ~~(13)~~ comprising at least two radio access technologies for communication with corresponding radio access networks ~~(5, 7)~~ of said wireless network ~~(19)~~ comprising:

controlling means ~~(18)~~ for controlling the operation of said transceiver ~~(11)~~ and said storing means ~~(13)~~ and arranged to select a radio access technology ~~(15, 17)~~ for downloading of radio software for a first radio access technology ~~(15, 17)~~ of said communication device ~~(9)~~; and

wherein said radio software of the first radio access technology ~~(15, 17)~~ is downloaded via the selected radio access technology ~~(15, 17)~~ and stored in a memory space of said storing means ~~(13)~~.

17. (Currently Amended) Device according to claim 16, wherein said controlling means ~~(18)~~ is arranged to select a second radio access technology ~~(15, 17)~~ for downloading of said radio software that not is subject of receiving of the software.

18. (Currently Amended) Device according to claim 17, wherein said controlling means ~~(18)~~ is arranged to, if said second radio access technology ~~(15, 17)~~ is not

available for downloading, select said first radio access technology ~~(15, 17)~~ for said downloading

19. (Currently Amended) Device according to claim 18, wherein said storing means ~~(13)~~ comprises a memory space ~~(13)~~ for temporary storage and wherein said controlling means ~~(18)~~ is arranged to, if said first radio access technology ~~(15, 17)~~ is in use, select said first radio access technology ~~(15, 17)~~ for downloading if said memory space ~~(13)~~ for temporary storage is available for receiving said radio software

20. (Currently Amended) Device according to ~~any one of claims~~ claim 16-18, wherein the radio software designed for the first radio access technology ~~(15, 17)~~ is stored in a memory space ~~(13)~~ allocated for said first radio access technology ~~(15, 17)~~.

21. (Currently Amended) Device according to ~~any one of claims~~ claim 16-20, wherein said controlling means ~~(18)~~ is arranged to , at completion of the downloading of the radio software of the first radio access technology ~~(15, 17)~~, verify that the downloaded software is operational.

22. (Currently Amended) Device according to claim 21, wherein said controlling means ~~(18)~~ is arranged to perform a local test procedure.

23. (Currently Amended) Device according to claim 22, wherein said controlling means ~~(18)~~ is arranged to perform a cyclic redundancy check of the downloaded software; a built-in self-test of the hardware logic of the communication device ~~(9)~~; and a loop-test of the downloaded software.

24. (Currently Amended) Device according to claim 21, ~~22 or 23~~, wherein said controlling means ~~(18)~~ is arranged to, if said local test procedure was successful, perform a confirming procedure.

25. (Currently Amended) Device according to claim 21, ~~22 or 23~~, wherein said controlling means ~~(18)~~ is arranged to, if said local test procedure not was successful, perform an error handling procedure.

26. (Currently Amended) Device according to claim 24, wherein said controlling means ~~(18)~~ is arranged to send a test message via said first radio technology to said server ~~(1)~~; if a confirmation message has been received via said first radio technology within a predetermined period of time, determine that the downloading of software was successful; and if a confirmation message not has been received via said first radio technology within a predetermined period of time, perform an error handling procedure.

Claim 27. (Cancelled)

28. (Currently Amended) Device according to ~~any one of preceding claims~~claim 1, further comprising initiating means ~~(16)~~ for initiating a download of radio software of a radio access technology ~~(15, 17)~~ of said communication device ~~(9)~~ and wherein said controlling means ~~(18)~~ is arranged to control the operation of said initiating means ~~(16)~~.

29. (Currently Amended) A system in a wireless network ~~(19)~~ including a number of access networks ~~(5, 7)~~, comprising a software download server ~~(1)~~ connected to said wireless network ~~(19)~~ and at least one communication device ~~(9)~~ according to ~~any one of claims~~claim 16-28.

30. (Currently Amended) Computer readable medium comprising instructions for bringing a programmable device to perform the method according to ~~any one of~~claimsclaim 1-15.